REKA Health Pte Ltd

# REKA App

## User Manual for Android mobiles

Version: 1.0

PN:PJPUM-APPS-002
24 OCT 2013

## Purpose

This document serves as a guide for E100 users to transmit and upload their ECG records or other health data via mobile devices running on AndroidTM OS.

For other REKA Health-related matters, or to find out mo e information,
please contact support@rekahealth.com.

## System requirements

The REKA App can be installed on the Android devices with version 2.2 and above.

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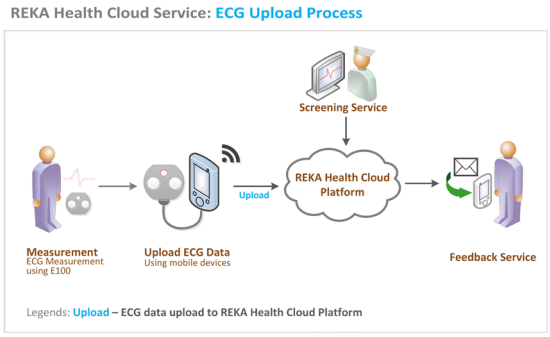
# 1. Introduction

## 1.1 Overview

This User Manual describes the preparation and transmission of the ECG data in your E100 device using mobile devices running on Android ™ OS. For successful data transmission (uploading), the following needs to be set up:

1. A registered user account via www.rekahealth.com
2. REKA App (downloadable via Google Play store)
3. Recorded ECG data in your E100

Please refer to the E100 User Manual or contact support@rekahealth.com should you require more information.



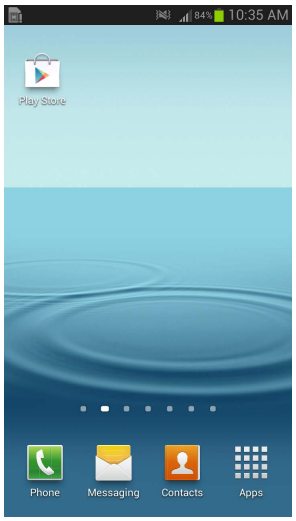

## 1.2 Getting started

1. Install the REKA App on your mobile device.

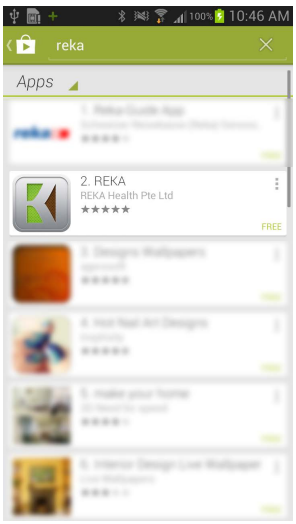
# 2. Install and uninstall

## 2.1 Installing the REKA App

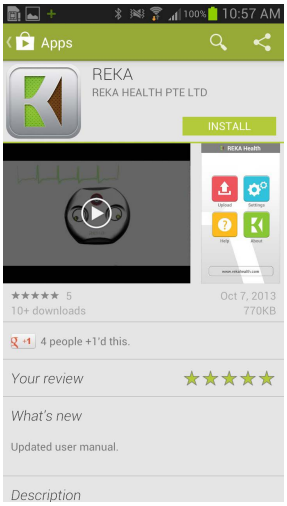
**STEP 1:**
Go to Play Store.

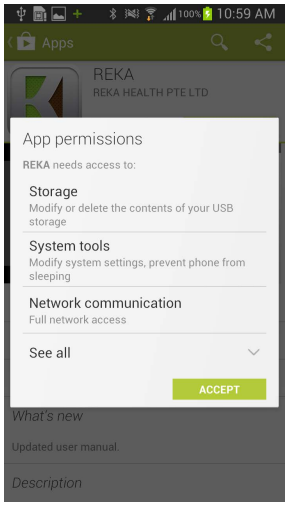



**STEP 2:**
Go to Search, type ‘reka’, you will see the result below.



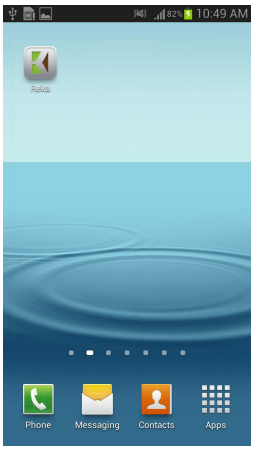
**STEP 3:**
Select REKA, click ‘Install’ & click 'Accept' button.



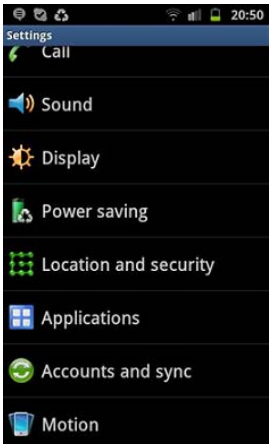

**STEP 4:**
The App will be installed and a shortcut will be created automatically.

Your REKA App is now ready for use.




## 2.2 Uninstalling the REKA App

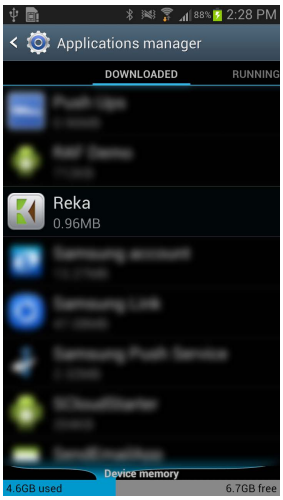
**STEP 1:**
From home screen go the ‘Settings’ menu and click on 'Applications' or 'Apps' based on your mobile.




**STEP 2:**
Click on ‘Manage applications'.

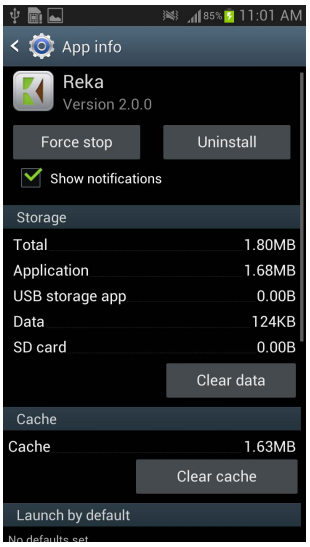
**STEP 3:**

Look for REKA from the list of downloaded applications and click on it.




**STEP 4:**

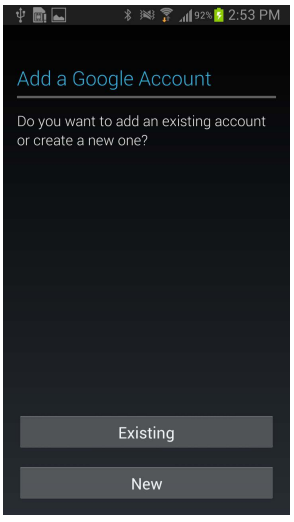
Click on ‘Uninstall' button.




# 3. Configuration & Setup

## 3.1 Configure your Email account

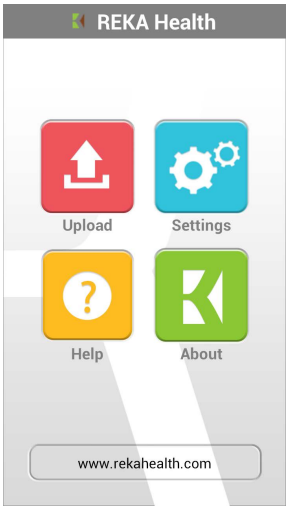
A valid email account needs to be set up to facilitate issue reporting to support@rekahealth.com for investigation. If no valid email account is available, please set up or add an existing account in order to facilitate issue reporting.

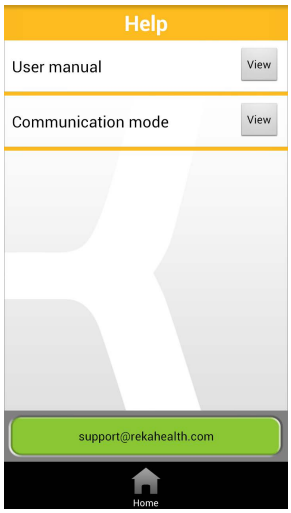


## 3.2 Determine the mobile device's communication mode

Different communication mode shall be used for the data uploading based on the "USB Host" feature supported by your android device. The suitable communication mode for the data upload can be determined by performing the following steps:

**STEP 1:** Click on the "Help" icon in the home page.
**STEP 2:** Click on the "View" button of the "communication mode".




### 3.2.1 Communication Mode - OTG USB Cable

If the "OTG USB" cable is to be used, please refer to "4.6.1 HID Communication Mode" section of this user manual for the uploading procedure.

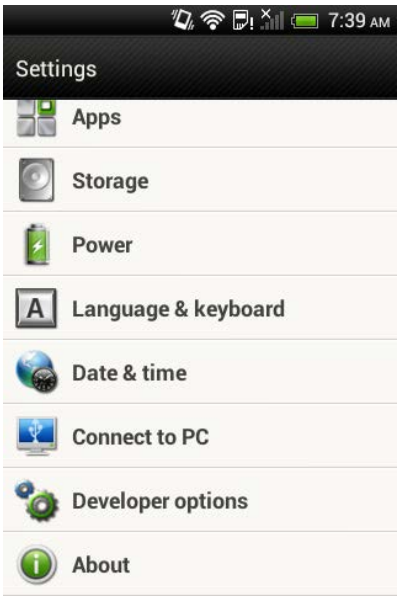
Communication mode
1. Please connect E100 using the Micro USB cable with the "OTG" label as show below.
2. Please refer to the help page, section "HID mode communication" for the uploading steps.
Home
User manual

### 3.2.2 Communication Mode - Micro USB Cable

If the "Micro USB Cable" cable is to be used, please carry out the one-time setup configuration as follows:

Communication mode
1. Please connect E100 using the Micro USB cable as show below.
2. Please refer to the help page, section "Image storage communication mode" for the uploading steps.
Home
User manual

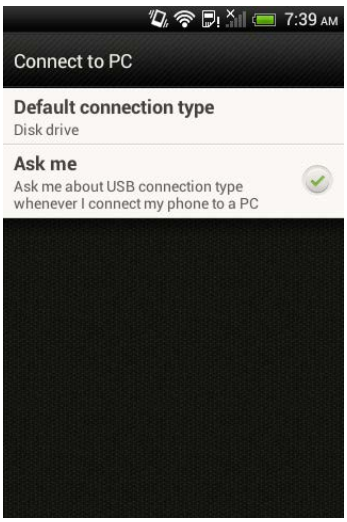
**STEP 1:** Go to "Settings" and select "Connect to PC" option.

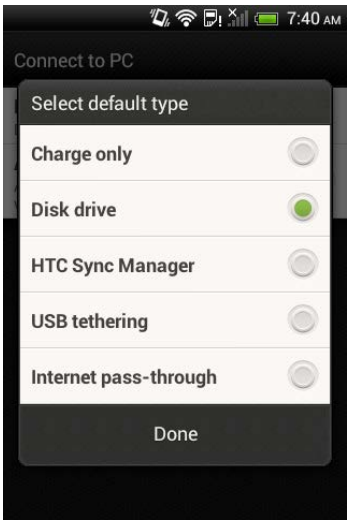



**STEP 2:** Check the "Ask me" option. So that you will be prompted to select the USB connection type when connected to E100.

**STEP 3:** Click on the “Default connection type”, select “Disk drive” and click on “Done”.

***NOTE:*** The default connection type will be automatically set to disk drive when the E100 is connected.


7:39 AM
Connect to PC
Default connection type
Disk drive
Ask me
Ask me about USB connection type whenever I connect my phone to a PC

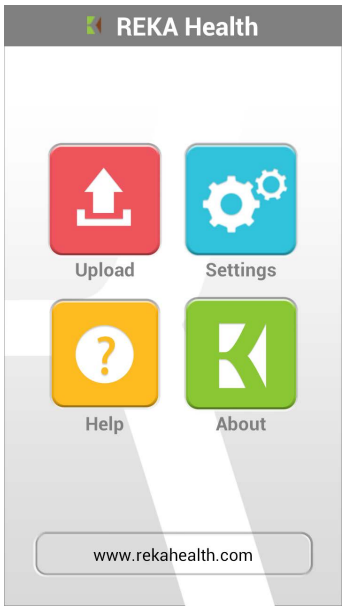



Please refer to section “4.6.2 Image Storage Communication Mode” of this user manual for the uploading procedure.

# 4. Features

## 4.1 Home page

The Home page will be the default page of system. It displays all the various features available in the REKA Health Mobile platform.

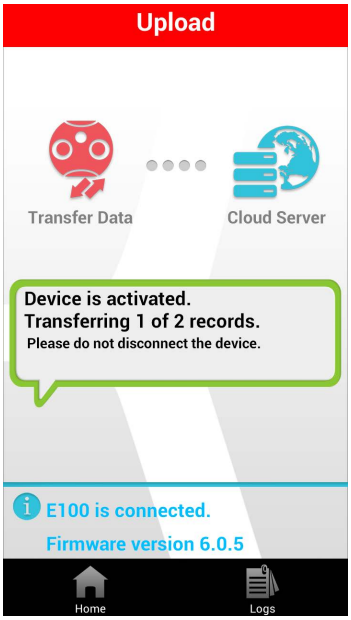



## 4.2 Upload

Upload ECG records, access logs and view the number of unsuccessful upload records stored in the mobile device.

### 4.2.1 Upload ECG records

Transfer and uploads your ECG records to the REKA cloud server.

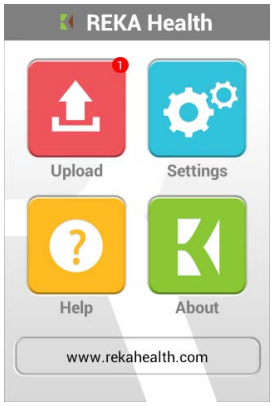


### 4.2.2 Application log

Keeps a history of the data transmission status and records the 50 most recent entries.

### 4.2.3 Unsuccessful uploads

Should any records not been successfully uploaded, a 'number' will appear on the upload button on the Home page.




## 4.3 Settings

Set up and configure the device

### 4.3.1 Notification to physician

When set to ‘ON’, a notification message will be sent to your physician when data is uploaded.

Please note that your physician will receive the notification only if he/she has registered to the service.

### 4.3.2 Debug log

Debug log shall be set to 'ON' only when necessary e.g. sending email or reporting issue to REKA support.

Please refer to section "4.4.3 Sending Email or report issue to REKA support" of this manual for further details.

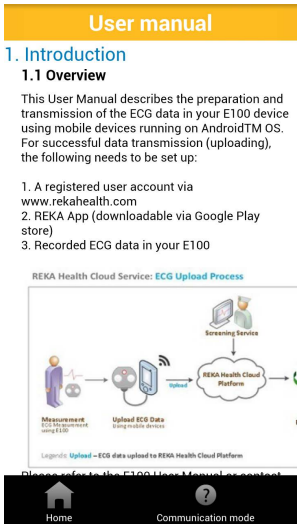
***NOTE:*** The debug log shall be set to 'OFF' at all times except for reporting issues to REKA support, as enabling debug log consumes more memory. It is turned off by default.

## 4.4 Help

Access the user manual, determine your communication mode and send email to REKA support.

### 4.4.1 User manual

Provides system requirements and information on how to use the App.

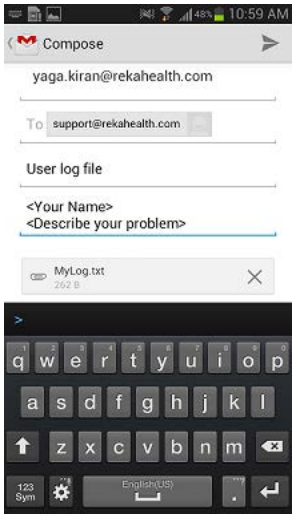

User manual
1. Introduction
1.1 Overview
This User Manual describes the preparation and transmission of the ECG data in your E100 device using mobile devices running on AndroidTM OS. For successful data transmission (uploading), the following needs to be set up:
1. A registered user account via www.rekahealth.com
2. REKA App (downloadable via Google Play store)
3. Recorded ECG data in your E100
REKA Health Cloud Service: ECG Upload Process
Home
Communication mode

### 4.4.2 Communication mode

Refer to section 3.2 Determine your communication mode for details.

### 4.4.3 Send email or report issue to REKA support

To report REKA App issues to REKA support, follow these steps to send log files (application logs, debug logs) to "support@rekahealth.com" for troubleshooting.




**STEP 1:** Go to help page & click on "support@rekahealth.com" button.

***NOTE:*** Make sure that you have an email account configured.

***NOTE:*** Ensure the debug log is set to 'ON'.

**STEP 2:** Choose your desired email client and an email pops up with log files attached.

**STEP 3:** Enter your name.
**STEP 4:** Enter the detailed description of the issue faced.
**STEP 5:** Enter the steps to reproduce the issue and send the email to REKA support.
**STEP 6:** Go back to settings page and turn off the “debug log”.

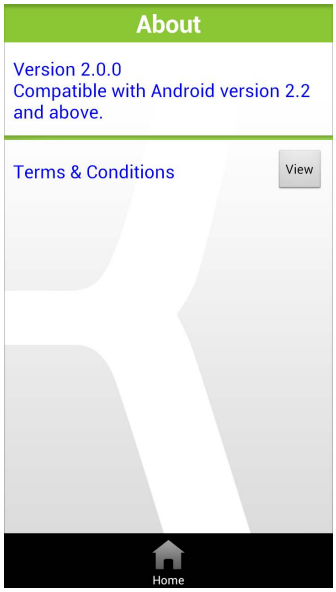
***NOTE:*** It is important to set the debug log to 'OFF' all the time, except for reporting an issue to REKA support, as enabling debug log consumes more memory.

## 4.5 About

View information about the app and “Terms and Conditions”

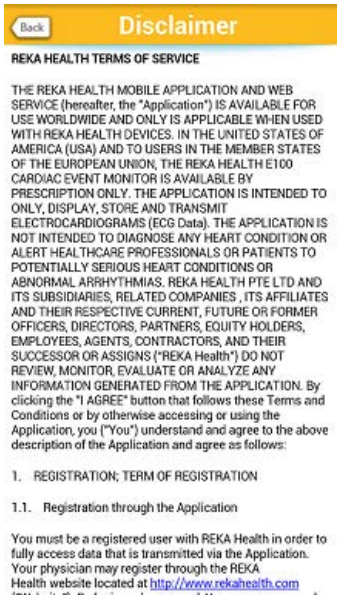
### 4.5.1 App information

Displays the information about this App.




### 4.5.2 Terms and Conditions

Click on the “Terms & Conditions” button to view Reka Health’s terms and conditions for using this App.


Back
Disclaimer
REKA HEALTH TERMS OF SERVICE
THE REKA HEALTH MOBILE APPLICATION AND WEB SERVICE (hereafter, the "Application") IS AVAILABLE FOR USE WORLDWIDE AND ONLY IS APPLICABLE WHEN USED WITH REKA HEALTH DEVICES. IN THE UNITED STATES OF AMERICA (USA) AND TO USERS IN THE MEMBER STATES OF THE EUROPEAN UNION, THE REKA HEALTH E100 CARDIAC EVENT MONITOR IS AVAILABLE BY PRESCRIPTION ONLY. THE APPLICATION IS INTENDED TO ONLY, DISPLAY, STORE AND TRANSMIT ELECTROCARDIOGRAMS (ECG Data). THE APPLICATION IS NOT INTENDED TO DIAGNOSE ANY HEART CONDITION OR ALERT HEALTHCARE PROFESSIONALS OR PATIENTS TO POTENTIALLY SERIOUS HEART CONDITIONS OR ABNORMAL ARRHYTHMIAS. REKA HEALTH PTE LTD AND ITS SUBSIDIARIES, RELATED COMPANIES , ITS AFFILIATES AND THEIR RESPECTIVE CURRENT, FUTURE OR FORMER OFFICERS, DIRECTORS, PARTNERS, EQUITY HOLDERS, EMPLOYEES, AGENTS, CONTRACTORS, AND THEIR SUCCESSOR OR ASSIGNS ("REKA Health") DO NOT REVIEW, MONITOR, EVALUATE OR ANALYZE ANY INFORMATION GENERATED FROM THE APPLICATION. By clicking the "I AGREE" button that follows these Terms and Conditions or by otherwise accessing or using the Application, you ("You") understand and agree to the above description of the Application and agree as follows:
1. REGISTRATION; TERM OF REGISTRATION
1.1. Registration through the Application
You must be a registered user with REKA Health in order to fully access data that is transmitted via the Application. Your physician may register through the REKA Health website located at http://www.rekahealth.com

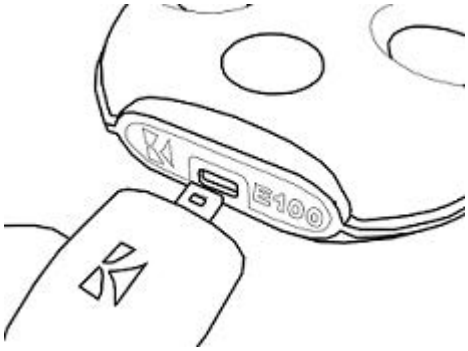
## 4.6 Uploading data

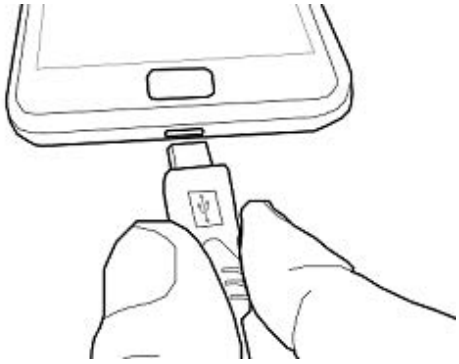
***NOTE:*** When uploading data, the device must not be disconnected.

### 4.6.1 Human Interface Device (HID) Communication Mode

**STEP 1:**

Connect your mobile device using the "OTG USB" cable (shown in figure on the right). Refer to the figures below for the connection of cable to mobile device and E100.



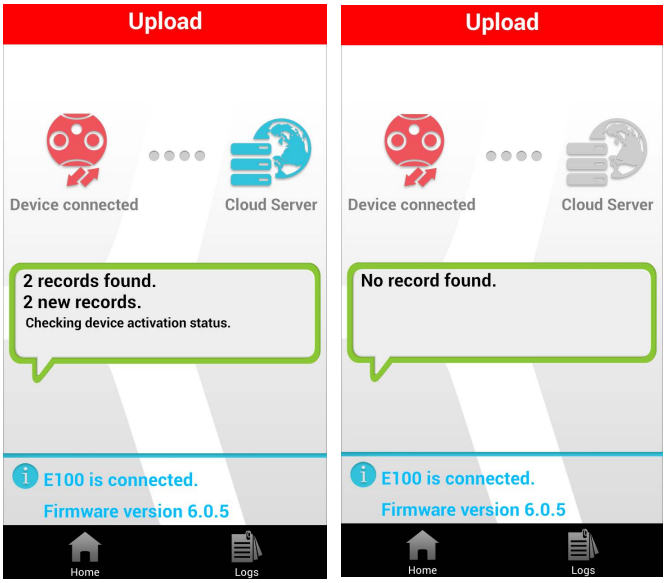
REKA App will be launched automatically and the Uploading process will start.

***NOTE:*** The "Home" and "Logs" buttons are disabled during the uploading process. They will be enabled once the upload completes.

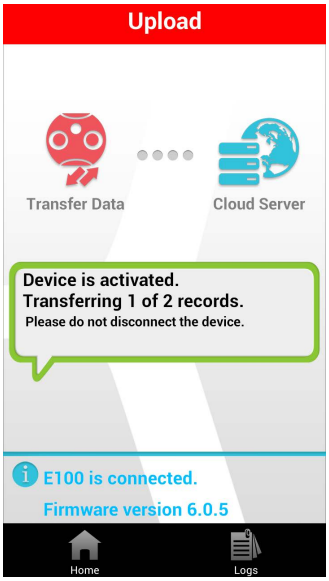
**First line:** Total number of records to be uploaded.
**Second line:** Number of new records in E100.
**Third line:** Number of old records that have not been uploaded previously, If there are no unsuccessful uploads previously, it will show the status that it is checking device activation.

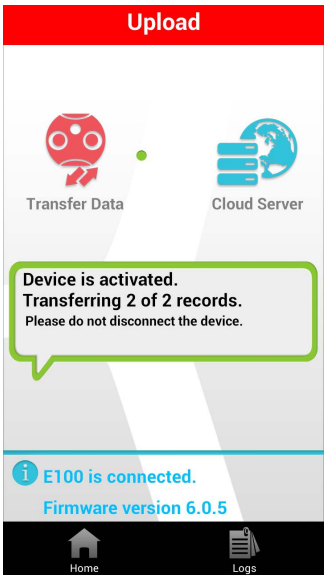
The first picture on the right shows that 2 records are found to upload and starts checking device activation.

The second picture on the extreme right shows that there are no records to upload.

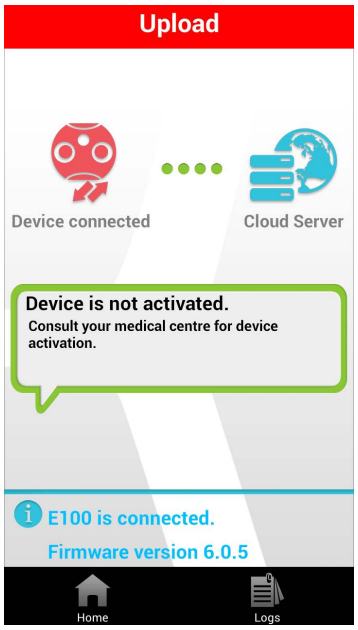


**STEP 2:**
If the device has been successfully activated, the images on the right will be displayed.



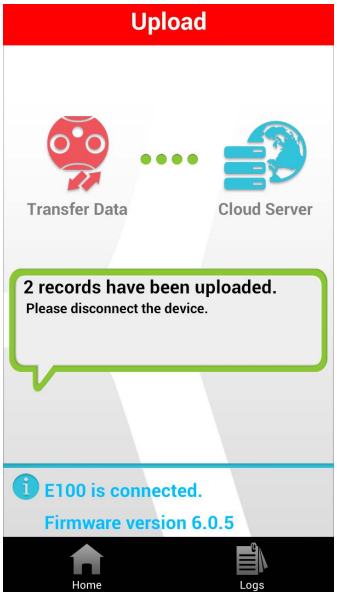

If the device is not activated, please consult your medical center for assistance.

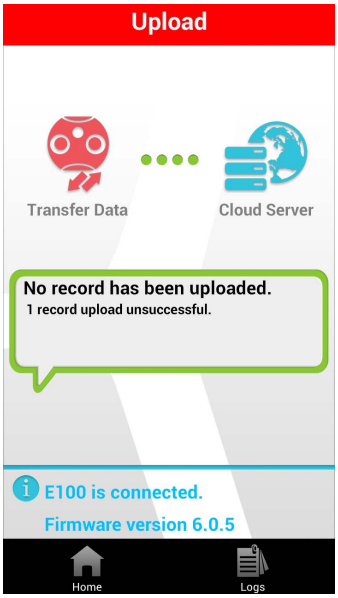



**STEP 3:**
Once the uploading is completed, the app will display the status of the uploads.

The first picture on the right shows a scenario where all the records have been successfully uploaded.

The second picture on the far right shows a scenario where some of the records are unsuccessfully uploaded. Please retry uploading should you encounter this scenario by repeating step 1 onwards.



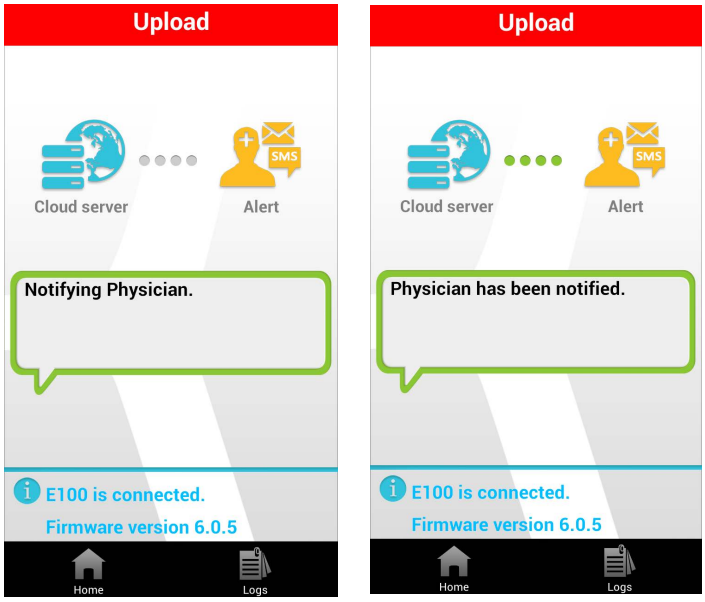



**STEP 4:**

The app will proceed to notify the assigned physician upon successful uploads.

i. E100 firmware version should be at least 6.0.5 and above.

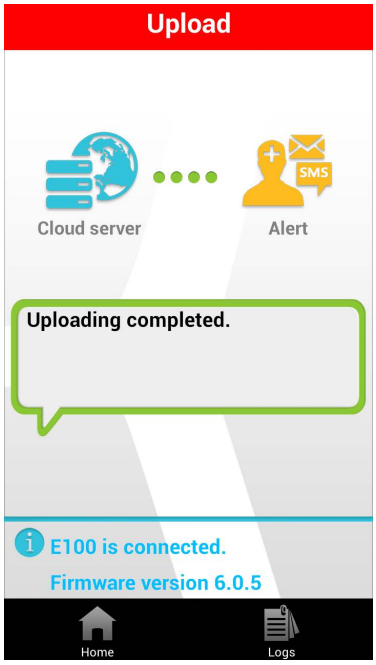
ii. The Physician has registered to the service to receive notification message.




Physician associated to the patient shall be notified by either Email and/or by SMS as determined during the initial setup in the REKA cloud.

**STEP 5:**

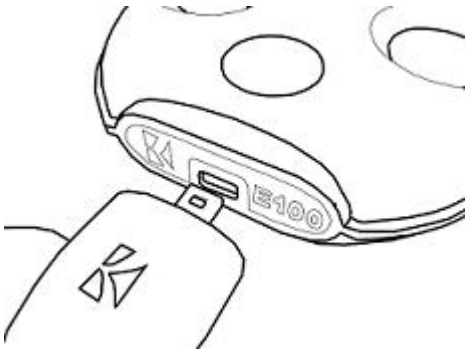
"Uploading Completed" will be displayed when the uploading process is completed successfully.
You can disconnect the device from your mobile phone.

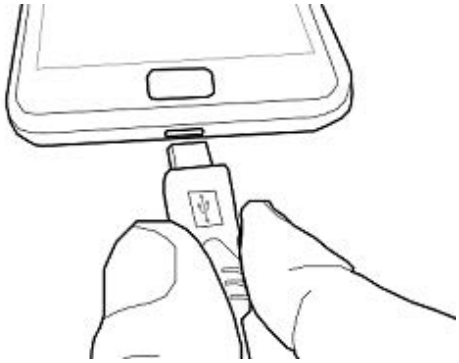


### 4.6.2 Image Storage communication mode

**STEP 1:**

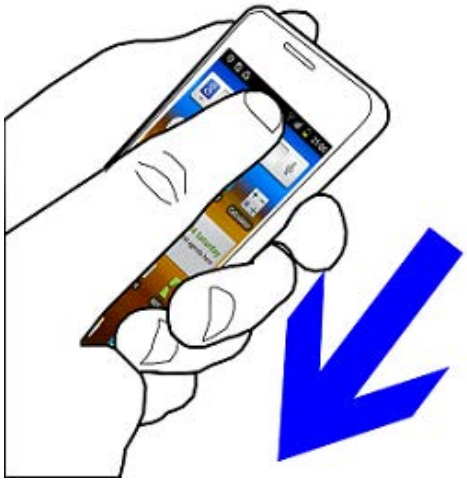
Turn on and unlock your androidTM mobile device. Connect your mobile device using the “OTG USB” cable (shown in figure on the right). Refer to the figures below for the connection of cable to mobile device and E100.



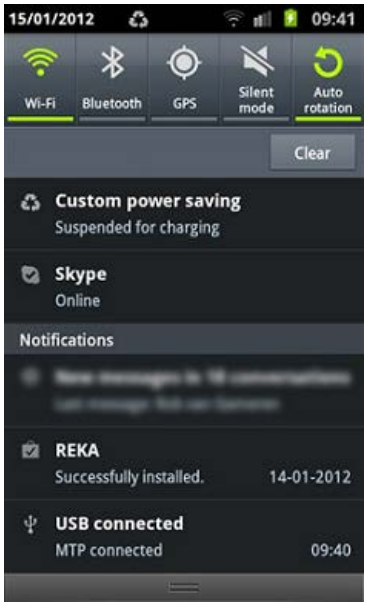



**STEP 2:**

Place your finger as shown, swipe downward to lower part of the mobile device screen.



Select "USB Connected" and then click on "Connect USB storage" button to complete the connection.



09:53
USB mass storage
USB connected
You have connected your phone to your computer via USB. Select the button below if you want to copy files between your computer and your Android's USB storage
Connect USB storage

***NOTE:*** Depending on the mobile device model and setting, you might be prompted 'You have connected your phone to a computer via USB. Select "Mount" if you want to copy files between your computer and your phone's SD card.' Select 'Mount', the AndroidTM mobile device will link the E100 via USB.

***NOTE:*** The USB connection interface varies from different model of AndroidTM mobile device. Refer to your mobile device menu for the details of mounting USB to copy files between SD card and computer.

Once the USB connection is established, the ECG records stored inside the E100 will be transferred to the Android™ mobile device automatically.

The button on E100 that was lighted in orange color will then turn blue when all data has been transferred completely.

Disconnect the E100 from your Android™ mobile device, the Android™ mobile device will then show 'Scanning SD Card'.

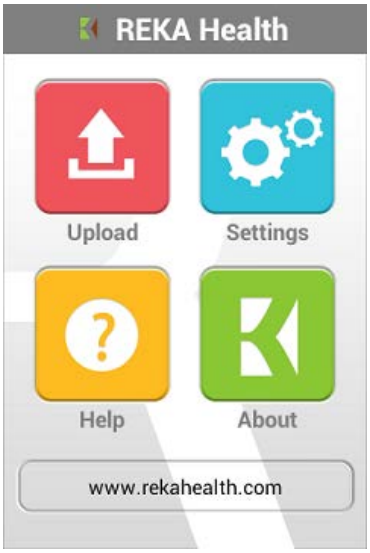
Please wait till the scanning is completed, before proceeding to the next step.

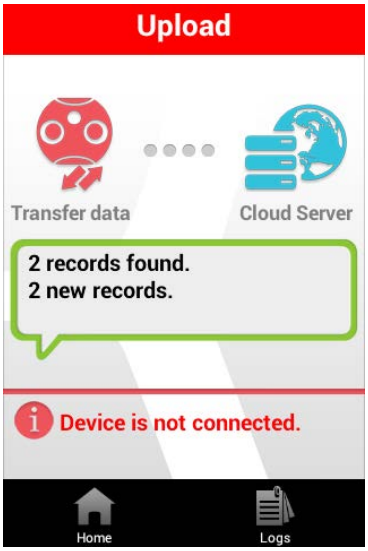
***NOTE:*** Please only launch REKA app only AFTER DISCONNECT E100 from your mobile device and the scanning media status is complete.

---

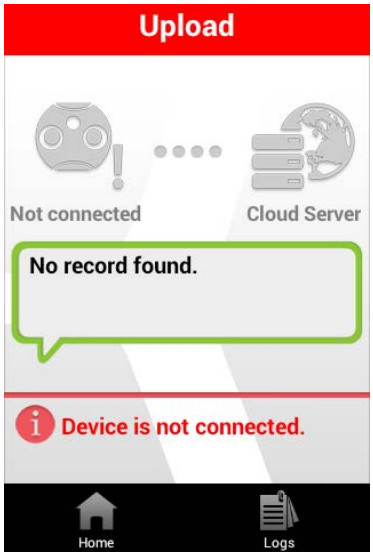
**STEP 3:**
Launch the REKA app, click on "Upload icon", app will start uploading available Health records in you AndroidTM mobile device.

**First line:** Total number of records to be uploaded.
**Second line:** Number of new records in E100.
**Third line:** Number of old records that have not been uploaded previously (If applicable).



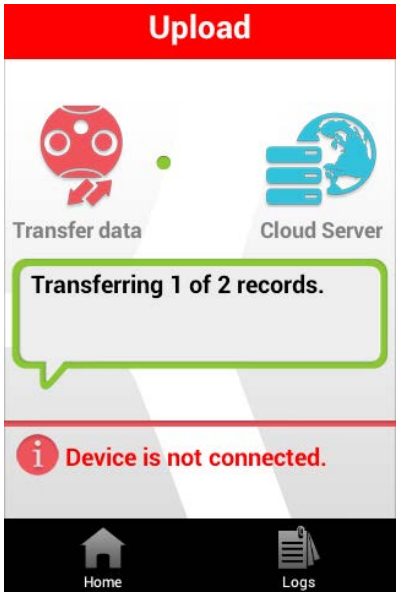



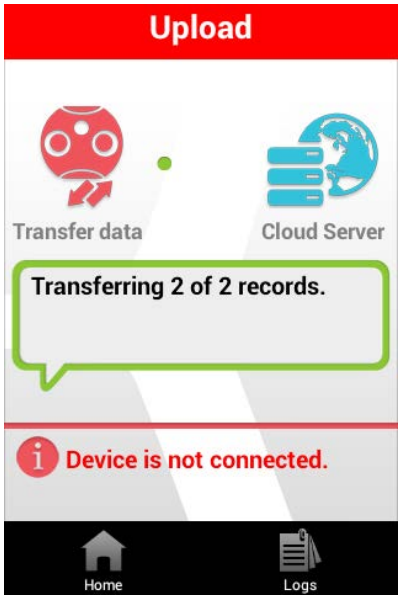
If there is no record in E100, the following image will be displayed.




**STEP 4:**
Data will be uploaded to the cloud server automatically.

***NOTE:*** "Home" and "Logs" buttons are disabled during the uploading process, they are enabled once the upload is complete.

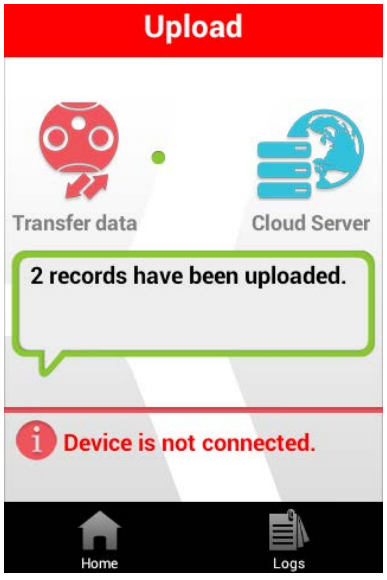


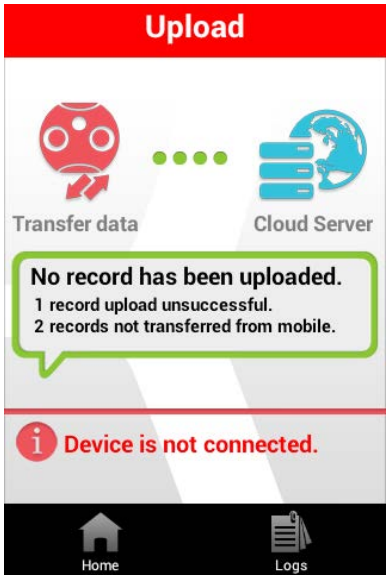




**STEP 5:**
Once the uploading is completed, the app will display the status of the uploads.

The first picture on the right shows a scenario where all the records have been successfully uploaded.

The second picture on the far right shows a scenario where some of the records are unsuccessfully uploaded. Please retry uploading should you encounter this scenario by repeating step 3 onwards.



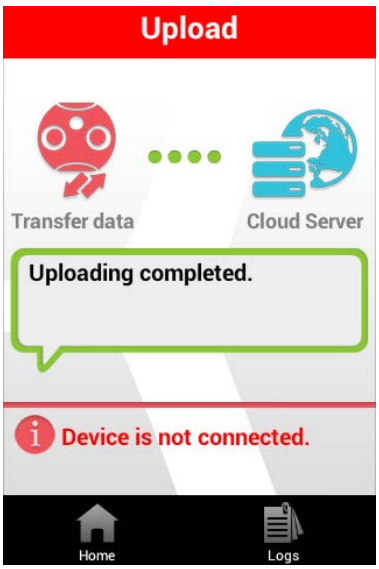



**STEP 6:**

"Uploading Completed" will be displayed after uploading has been successfully completed.

Once the upload is completed, user can navigate to other screens of the REKA app.

User can see the uploading logs by clicking logs button.

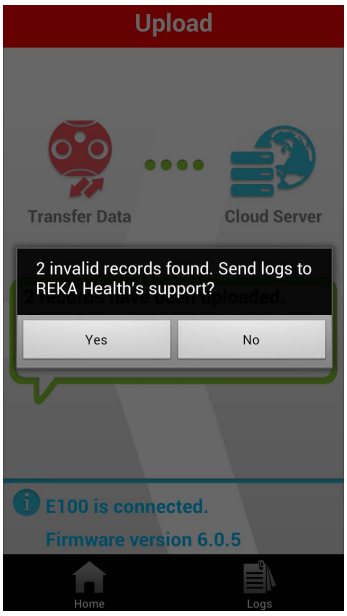


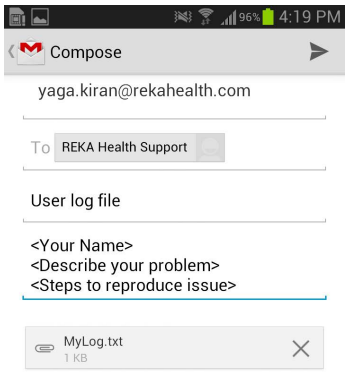
## 4.7 Invalid Records

When the Cloud server receives invalid records, a message will appear prompting the user to send their user log files to REKA Health's support team.

***NOTE:*** Invalid records will automatically be deleted from the device.

If 'yes' is selected, the user log files will be sent via email to REKA Health's support team.

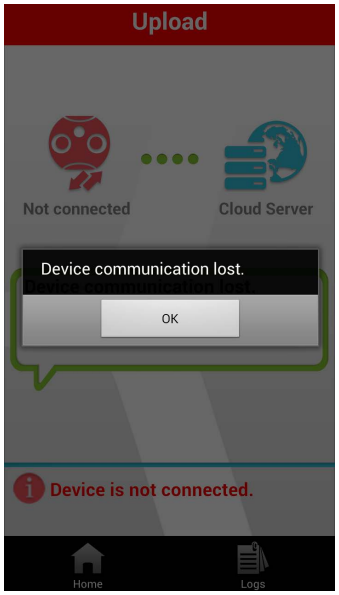


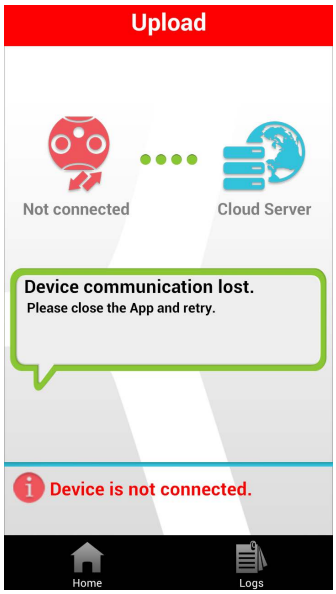



## 4.8 Error messages

### 4.8.1 Device communication lost

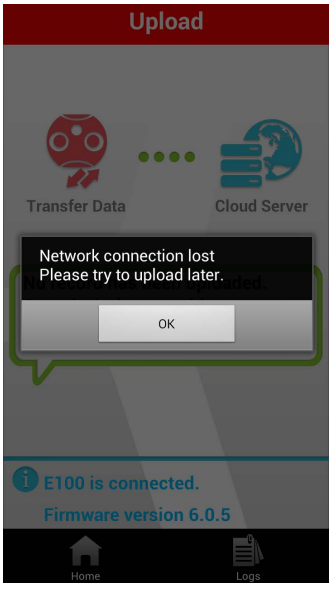
Should the E100 gets disconnected while uploading, the following error message will be shown.

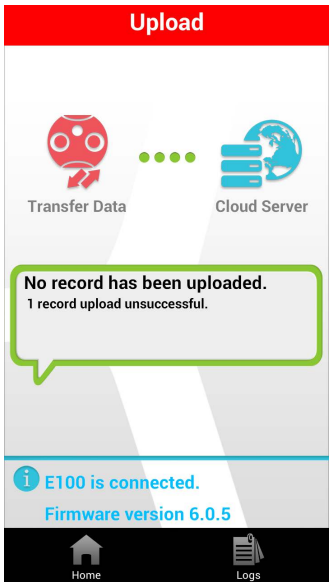



### 4.8.2 Network connection lost

Should network service become unavailable during upload, the following error message will be shown. You should attempt to upload again when network service becomes available.



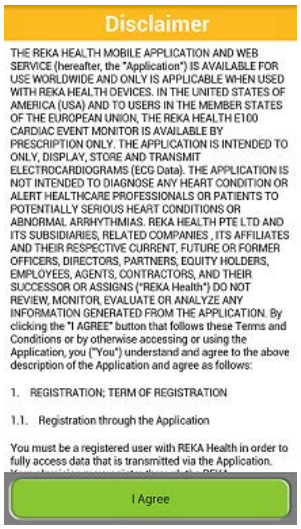

***NOTE:*** In case of "Device communication lost", "Network connection lost", or unsuccessful uploads of ECGs, the data will still be available either in the device or in the mobile phone.

# 5. Other information

## 5.1 Disclaimer page

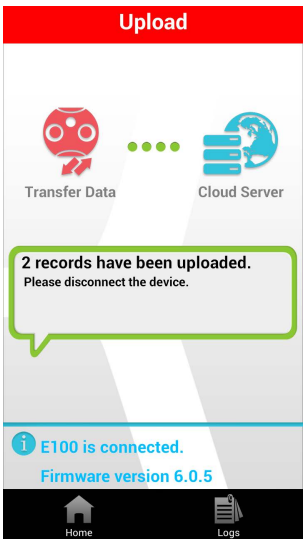
Upon launching the app for the first time, a Disclaimer Page will be displayed. Please read the terms and conditions for using the REKA App carefully.

Tap on “I Agree” if you are agreeable to the terms and conditions as stated to proceed in using the app. If you disagree to the terms and conditions for using the app, you may press your Android Device’s “Home” button to quit the app.


Disclaimer
THE REKA HEALTH MOBILE APPLICATION AND WEB SERVICE (hereafter, the "Application") IS AVAILABLE FOR USE WORLDWIDE AND ONLY IS APPLICABLE WHEN USED WITH REKA HEALTH DEVICES. IN THE UNITED STATES OF AMERICA (USA) AND TO USERS IN THE MEMBER STATES OF THE EUROPEAN UNION, THE REKA HEALTH E100 CARDIAC EVENT MONITOR IS AVAILABLE BY PRESCRIPTION ONLY. THE APPLICATION IS INTENDED TO ONLY, DISPLAY, STORE AND TRANSMIT ELECTROCARDIOGRAMS (ECG Data). THE APPLICATION IS NOT INTENDED TO DIAGNOSE ANY HEART CONDITION OR ALERT HEALTHCARE PROFESSIONALS OR PATIENTS TO POTENTIALLY SERIOUS HEART CONDITIONS OR ABNORMAL ARRHYTHMIAS. REKA HEALTH PTE LTD AND ITS SUBSIDIARIES, RELATED COMPANIES , ITS AFFILIATES AND THEIR RESPECTIVE CURRENT, FUTURE OR FORMER OFFICERS, DIRECTORS, PARTNERS, EQUITY HOLDERS, EMPLOYEES, AGENTS, CONTRACTORS, AND THEIR SUCCESSOR OR ASSIGNS ("REKA Health") DO NOT REVIEW, MONITOR, EVALUATE OR ANALYZE ANY INFORMATION GENERATED FROM THE APPLICATION. By clicking the "I AGREE" button that follows these Terms and Conditions or by otherwise accessing or using the Application, you ("You") understand and agree to the above description of the Application and agree as follows:
1. REGISTRATION; TERM OF REGISTRATION
1.1. Registration through the Application
You must be a registered user with REKA Health in order to fully access data that is transmitted via the Application.
I Agree

## 5.2 Firmware version number

You can view the Firmware Version Number in the status panel at the bottom of the screen.




## 5.3 Interruption

**1.** Should you receive an incoming phone call, either application stops or completes the upload offline.

**2.** If the device is disconnected during the upload, either application stops or completes the upload offline.

**3.** If the device is not unlocked before connecting to E100 or Power button of the mobile is pressed during the upload, the "Device Detected" screen will freeze and user should re-launch the App.